

#11  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/445,193  
Filed: 12/02/1999  
1<sup>st</sup> Inventor: OHKAWA, S.  
For: Heterocyclic Compounds, Their Production and Use  
Atty. Dkt. No. 2470 USOP

Art Unit: 1625  
Examiner: B. Robinson  
Allowed:  
Batch:  
Paper No.:  
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**Communication to Examiner: Second Submission of References Cited in**  
**Applicant's Information Disclosure Statement**

TECH CENTER 1600/2900

Assistant Commissioner for Patents  
Washington, D.C. 20231  
Sir:



Applicants herewith submit a second set of references which were cited in the Applicant's Information Disclosure Statement of 01/19/00, that were somehow not properly placed in the USPTO file wrapper of the above identified application.

A copy of the Form PTO-1449 with the enclosed cited references listed is also enclosed.

The cited references are being sent in two separate Express Mail packages.

Should the Examiner believe that a conference with applicants' attorney would advance prosecution of this application, he is respectfully requested to call applicants' attorney at (847) 383-3372.

Respectfully submitted,

Dated: February 2, 2001

Philippe Y. Riesen, Reg. No. 35,657  
Mark Chao, Ph.D., Reg. No. 37,293  
Attorney for Applicants  
Customer No. 23115

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FORM PTO 1449 (modified)		APPLICANT: S. Ohkawa et al.	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE: December 2, 1999	GROUP:
Date Submitted to PTO:			

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF No.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<del>/</del>	A1	USP 4659360	Apr. 21, 1987	J. Baum et al.			
<del>/</del>	A2	USP 5593989	Jan. 14, 1997	J. Peglion et al.			
<del>/</del>	A3	USP 5668142	Sep. 16, 1997	J. Peglion et al.			
<del>/</del>	A4	USP 5747508	May 5, 1998	P. Richter et al.			
<del>/</del>	A5	USP 4426385	Jan. 17, 1984	P. Cain			
<del>/</del>	A6	USP 5681842	Oct. 28, 1997	J. Dellaria and Todd Gane			
FOREIGN PATENT DOCUMENTS							
*EXAMINER INITIAL	REF No.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<del>/</del> ✓	A7	WO 95/29907 ✓	Nov. 9, 1995	WIPO			
<del>/</del> ✓	A8	JP 01199957 ✓	Aug. 11, 1989	Japan			English abstract
<del>/</del> ✓	A9	JP 03261778 ✓	Nov. 21, 1991	Japan			English abstract
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<del>/</del> ✓	A11	JP 7146147 ✓	Jun. 6, 1995	Japan			English abstract
<del>/</del> ✓	A12	EP 0526951 A1 ✓	Feb. 10, 1993	EP			
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<del>/</del> ✓	A14	EP 0281261 A2 ✓	Sep. 7, 1988	EP			
<del>/</del> ✓	A15	WO 95/17095 ✓	Jun. 29, 1995	WIPO			
<del>/</del> ✓	A16	WO 97/25033 ✓	Jul. 17, 1997	WIPO			
<del>/</del> ✓	A17	EP 0273647 A1 ✓	Jul. 6, 1988	EP			
<del>/</del> ✓	A18	EP 0483772 A1 ✓	May 6, 1992	EP			
<del>/</del> ✓	A19	EP 0345593 A1 ✓	Dec. 13, 1989	EP			
<del>/</del> ✓	A20	EP 0345592 A1 ✓	Dec. 13, 1989	EP			
<del>/</del> ✓	A21	EP 0722726 A1 ✓	Jul. 24, 1996	EP			

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✓	A22	WO 94/14434 ✓	Jul. 7, 1994	WIPO				
✓	A23	WO 84/02131 ✓	Jun. 7, 1984	WIPO				
✓	A24	EP 0733631 A1 ✓	Sep. 25, 1996	EP				
✓	A25	DE 19602095 A1	Jul. 24, 1997	Germany			English abstract	
✓	A26	EP 0445073 A1 ✓	Sep. 4, 1991	EP			English abstract	
✓	A27	EP 0686637 A1 ✓	Dec. 13, 1995	EP			A2 is the correspondi ng English version	
✓	A28	EP 0778274 A1 ✓	Jun. 11, 1997	EP			A3 is the correspondi ng English version	
✓	A29	EP 0165810 A2 ✓	Dec. 27, 1985	EP				
✓	A30	JP 7-247263	Sep. 26, 1995	Japan			English abstract	
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✓	A32	JP 3-161405 ✓	Jul. 11, 1991	Japan			English abstract	
✓	A33	EP 0394043 A1 ✓	Oct. 24, 1990	EP				
✓	A34	EP 0365925 A1 ✓	May 2, 1990	EP				
✓	A35	WO 91/05474 ✓	May 2, 1991	WIPO			English abstract	
✓	A36	JP 3-151311 ✓	Jun. 27, 1991	Japan			English abstract	
✓	A37	JP 4-193803 ✓	Jul. 13, 1992	Japan			English abstract	
✓	A38	JP 6-239853	Aug. 30, 1994	Japan			English abstract	
✓	A39	WO 95/09159	Apr. 6, 1995	WIPO				
✓	A40	JP 7-179856 ✓	Jul. 18, 1995	Japan			English abstract	
✓	A41	WO 97/34869 ✓	Sep. 25, 1997	WIPO			English abstract	

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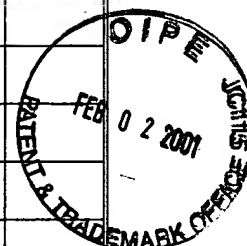
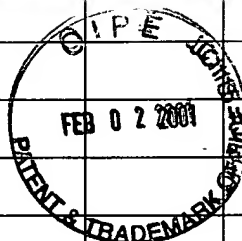
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✓	A42	WO 96/04251 ✓	Feb. 15, 1996	WIPO			English abstract
✓	A43	WO 96/20925 ✓	Jul. 11, 1996	WIPO			English abstract
✓	A44	JP 2-233679 ✓	Sep. 17, 1990	Japan			English abstract
✓	A45	WO 96/11192 ✓	Apr. 18, 1996	WIPO			
✓	A46	JP 4-95070 ✓	Mar. 27, 1992	Japan			English abstract
✓	A47	WO 96/10999 ✓	Apr. 18, 1996	WIPO			
✓	A48	EP 0383281 A1 ✓	Aug. 22, 1990	EP			
✓	A49	WO 98/05292 ✓	Feb. 12, 1998	WIPO			
✓	A50	WO 87/00840 ✓	Feb. 12, 1987	WIPO			
✓	A51	EP 0224816 A1 ✓	Jun. 10, 1987	EP			
✓	A52	EP 0277842 A1 ✓	Aug. 10, 1988	EP			



OTHER DOCUMENT(S)		
*EXAMINER INITIAL	REF No.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
✓	A53✓	JS Kaltenbronn et al., "Benzofuran derivatives a ET <sub>A</sub> -selective, non-peptide endothelin antagonists" <i>Eur. J. Med. Chem.</i> (1997), Vol. 32, pp. 425-431
✓	A54✓	M. David et al., "Evaluation of Antiviral Activity of Chromane Diols and their Synthetic Analogues" <i>Pharmaceutical Sciences</i> (1997), Vol. 3, pp. 305-309
✓	A55✓	B. Snider et al., "Synthesis of 2,3-Dihydrobenzofurans by Mn(Oac) <sub>3</sub> -Based..." <i>J. Org. Chem.</i> (1997), Vol. 62, pp. 6978-6984
✓	A56✓	M. Miyake et al., "Synthesis and Biological Activity of Arthrographol and Related Compounds" <i>Heterocycles</i> , Vol. 43, No. 3, 1996, pp.665-674
✓	A57✓	H. Matsutani et al., "Synthesis of Ferroelectric Liquid Crystals Having Chiral ..." <i>Mol. Cryst. Liq. Cryst.</i> 1995, Vol. 263, pp. 131-138
✓	A58✓	M. Ponpipom et al., "Structure-Activity Relationships of Kadsurenone Analogues" <i>J. Med. Chem.</i> 1987, Vol. 30, pp. 136-142
✓	A59✓	R. Cline et al., "Gas Chromatographic and Spectral Properties of ..." <i>J. Chromatographic Science</i> , Vol. 28, (April 1990), pp.167-172

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OTHER DOCUMENT(S)		
*EXAMINER INITIAL	REF No.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<input checked="" type="checkbox"/>	A60	A. Ratnakar et al., "Synthesis of a New Type of 5-Heteroaryl-3-..." <i>Asian J. of Chemistry</i> Vol. 4, No. 2, (1992), pp. 197-200
<input checked="" type="checkbox"/>	A61	Z.M. Wang et al., "The Revised Structure of Gnetifolin A" <i>Chinese Chemical Letters</i> Vol. 6, No. 8, pp. 683-686
<input checked="" type="checkbox"/>	A62	K. Clarke et al., "Substitution Reactions of Benzo[b]thiophen Derivatives. Part VII...." <i>J.C.S. Perkin I</i> , (1973), pp. 1196-1200
<input checked="" type="checkbox"/>	A63	D. Kemp and D. Buckler, "New Templates for Prior Thiol Capture..." <i>Tetrahedron Letters</i> , Vol. 32, No. 26, pp. 3009-3012, (1991)
<input checked="" type="checkbox"/>	A64	M. Iwasaki et al., "Palladium-Catalyzed Cyclocarbonylation of 3-(Heteroaryl)allyl Acetates" <i>J. Org. Chem.</i> (1991), Vol. 56, pp. 1922-1927
<input checked="" type="checkbox"/>	A65	M. Shipchandler et al., "Coumarins XI: A Total Synthesis of ..." <i>J. Pharmaceutical Science</i> , Vol. 59, No. 1, (Jan. 1970) pp. 67-71
<input checked="" type="checkbox"/>	A66	E. Campaigne and R. Rogers, "Benzo[b]thiophene Derivatives. XIX. The Sulfur Isosteres of ..." <i>J. Heterocycl. Chem.</i> , Vol. 10, No. 3, (1973) pp. 297-305
<input checked="" type="checkbox"/>	A67	XP002074285 Chemical Abstracts, Vol. 110, No. 19, (May 8, 1989) pp. 762, abstract no. 173099g
<input checked="" type="checkbox"/>	A68	XP002074286 Chemical Abstracts, Vol. 126, No. 17, (Apr. 28, 1997) pp. 570, abstract no. 225226y
<input checked="" type="checkbox"/>	A69	M. David et al., "Une nouvelle voie d'accès courte..." <i>Bull. Soc. Chim. Fr.</i> , vol. 130, no. 4, 1993, pp. 527-534, with its English abstract



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